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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

QC ABSTRACT

NAME OF WORK: PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
7	Precast (230mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
8	RCC(M20)	Compressive Strength(7days and 28days)	10 set /300-350 cum	331.41	20	20
9	Cement Concrete Pavemet (M30)	Compressive Strength(7days and 28days)	37 set /1500-2000 cum	1700.03	74	74
10	GSB	SIEVE ANALYSIS	One Test		1	1

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2023-02-21-09 **Date: 18-01-23**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 16-01-23

Sample Type : Birla Super 53grade

Reference to BIS codes :
IS 269:2015 Ordinary Portland cement Specification ,
IS 4031 (Part 4,5):1988
IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability
IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6

Date of test : 17-01-23

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	Fineness by dry sieving (%)	2.2	–
2	Finess by Air permeablity method (m^2/kg,Min)	284.6	225m^2/kg, Min
3	Density (gm/cc)	3.15	–
4	Standard Consistency (%)	29%	Not specified
5	Initial Setting time	165 minutes	Not less than 30 minutes
6	Final Setting time	270 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.7mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Date: 14-02-23

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	16-01-23
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 269:2015 Ordinary Portland cement Specification, IS 4031 (Part 4,5):1988 , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test	:	17-01-23
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength			
Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	3 Days	28.0N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.0N/mm^2	Not less than 53 N/mm^2

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2023-02-21-09** **Date: 18-01-23**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 16-01-23

Sample Type : 40mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 16-01-23

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	214	214	1.4	98.6	90-100
3	20 mm	7254	7468	49.8	50.2	30-70
4	10 mm	4442	11910	79.4	20.6	10-35
5	4.75 mm	2685	14595	97.3	2.7	0-5
6	Pan	405	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2023-02-21-09 **Date: 18-01-23**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	10.6	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.3	
3	Specific Gravity	2.64	–
4	Bulk Density(Loose) (Kg/l)	1.49	–
5	Bulk Density(Compacted) (Kg/l)	1.52	–
6	Water Absorption(%)	0.17	–

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2023-02-21-09 **Date: 18-01-23**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 16-01-23

Sample Type/ Size : 20mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 16-01-23

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	188	188	3.8	96.2	90-100
3	10 mm	2355	2543	50.9	49.1	25-55
4	4.75 mm	2245	4788	95.8	4.2	0-10
5	Pan	212	5000	100	0	–

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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2023-02-21-09 Date: 18-01-23

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.8	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	14.1	
3	Specific Gravity	2.62	_
4	Bulk Density(Loose) (Kg/l)	1.79	_
5	Bulk Density(Compacted) (Kg/l)	1.85	_
6	Water Absorption(%)	0.25	_
7	Aggregate crushing Value(%)	23.5	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.8	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2023-02-21-09** **Date: 18-01-23**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 16-01-23

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 16-01-23

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	17	17	1.7	98.3	90-100	90-100	90-100	95-100
3	2.36 mm	42	59	5.9	94.1	60-95	75-100	85-100	95-100
4	1.18 mm	244	303	30.3	69.7	30-70	55-90	75-100	90-100
5	600 micron	255	558	55.8	44.2	15-34	35-59	60-79	80-100
6	300 micron	231	789	78.9	21.1	5-20	8-30	12-40	15-50
7	150 micron	141	930	93.0	7.0	0-10	0-10	0-10	0-15
8	Pan	70	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2023-02-21-09

Date: 18-01-23

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	2.15	–
2	Specific Gravity	2.57	–
3	Material finer than 75 micron(%)	7.0	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

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TEST RESULTS OF STEEL

Lab ID : **CP-2023-02-21-09** **Date: 18-01-23**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 16-01-23

Sample Type : Sunvik

Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.

Date of test: : 17-01-23

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe550	8	0.391	562	672	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe550	10	0.616	578	692	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe550	12	0.888	581	680	20.0%	Satisfactory	Satisfactory

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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Date: 21-01-23

ab ID : CP-2023-02-21-09

roject Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 17-01-23

Sample Type /Size : Precast Cover Slab - 100mm Thick

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete

Date of test : 17/01/2023

Grade of Slab : M20

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	70.6	150.48	1.186	3914	75.6	19.3	18.0	22.5
2	Cover Slab-2	69.5	150.52	1.252	3793	71.6	18.9	17.6	21.9
3	Cover Slab-3	70.4	150.51	1.198	3892	76.4	19.6	18.3	22.8

* The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	CP-2023-02-21-09 Date: 21-01-23
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	17-01-23
Sample Type /Size	:	Precast Cover Slab - 230mm Thick
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete
Date of test	:	17/01/2023
Grade of Slab	:	M20

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	70.3	150.23	1.256	3881	71.2	18.3	17.1	21.3
2	Cover Slab-2	69.7	148.62	1.164	3815	72.4	19.0	17.7	22.1
3	Cover Slab-3	69.2	151.64	1.268	3760	72.9	19.4	18.0	22.5

* The results obtained are satisfactory as per standard requirements.

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Certificate No.: TC-5548

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 27/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 21-01-23

Customer ID : Drain Bottom Raft - Elegant Layout Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	26/01/2023	149.23 X 151.19 X 149.83	22562	8.175	427.5	19.0	18.8
2	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	26/01/2023	149.70 X 149.40 X 150.11	22366	8.392	423.4	18.9	
3	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	26/01/2023	151.03 X 151.75 X 151.31	22918	8.204	426.0	18.6	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/02/2023

Lab ID	:	**CP-2023-02-21-09**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	21-01-23
Customer ID	:	Drain Bottom Raft - Elegant Layout Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	16/02/2023	149.84 X 149.78 X 150.11	22444	8.835	522.6	23.3	23.2
2	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	16/02/2023	151.54 X 150.43 X 150.20	22796	9.093	514.5	22.6	
3	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	16/02/2023	149.44 X 150.99 X 149.25	22563	8.964	539.0	23.9	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2023-02-21-09** **Date: 27/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 21-01-23

Customer ID : Drain Bottom Raft - Elegant Layout Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	26/01/2023	149.30 X 150.70 X 149.95	22499	8.169	420.4	18.7	18.6
2	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	26/01/2023	149.31 X 151.35 X 151.90	22599	8.693	422.1	18.7	
3	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	26/01/2023	150.03 X 151.38 X 151.33	22711	8.953	421.1	18.5	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/02/2023

Lab ID	:	**CP-2023-02-21-09**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	21-01-23
Customer ID	:	Drain Bottom Raft - Elegant Layout Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	16/02/2023	150.19 X 149.96 X 150.76	22522	8.301	536.8	23.8	23.1
2	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	16/02/2023	150.96 X 150.04 X 150.56	22649	8.966	501.5	22.1	
3	Drain Bottom Raft - Elegant Layout Main Road	M20	19/01/2023	16/02/2023	151.96 X 150.94 X 151.14	22937	9.084	533.1	23.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 27/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 21-01-23

Customer ID : Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	26/01/2023	149.78 X 151.35 X 149.05	22670	8.530	419.8	18.5	18.3
2	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	26/01/2023	150.32 X 150.88 X 151.07	22681	8.592	415.5	18.3	
3	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	26/01/2023	151.11 X 151.59 X 149.50	22906	8.595	416.0	18.2	

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 Date: 17/02/2023

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 21-01-23

Customer ID : Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	16/02/2023	151.44 X 149.68 X 149.99	22667	8.277	533.2	23.5	23.0
2	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	16/02/2023	150.96 X 150.71 X 149.57	22751	8.939	508.4	22.3	
3	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	16/02/2023	151.57 X 151.24 X 149.92	22923	8.531	529.6	23.1	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 26/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 21-01-23

Customer ID : Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	26/01/2023	150.72 X 150.95 X 149.95	22752	8.294	413.9	18.2	18.6
2	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	26/01/2023	151.09 X 149.12 X 149.73	22531	8.143	419.2	18.6	
3	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	26/01/2023	150.08 X 149.59 X 150.22	22450	8.593	426.0	19.0	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	21-01-23
Customer ID	:	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	16/02/2023	151.31 X 150.65 X 151.95	22796	8.715	529.6	23.2	23.1
2	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	16/02/2023	151.95 X 150.01 X 150.67	22794	8.822	505.3	22.2	
3	Drain Bottom Raft - Muneshwara Layout 10th Main Road 3rd Cross	M20	19/01/2023	16/02/2023	150.29 X 150.70 X 150.37	22649	8.529	541.4	23.9	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 28/01/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 23-01-23

Customer ID : Drain Side Wall - Sri Renuka Nilaya House

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	28/01/2023	149.65 X 149.91 X 150.01	22435	8.992	407.0	18.1	18.3
2	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	28/01/2023	150.21 X 151.12 X 150.83	22700	8.233	410.7	18.1	
3	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	28/01/2023	149.34 X 151.17 X 151.94	22577	8.765	424.7	18.8	

* The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 18/02/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 23-01-23

Customer ID : Drain Side Wall - Sri Renuka Nilaya House

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	18/02/2023	149.57 X 151.47 X 149.00	22655	9.098	543.7	24.0	23.5
2	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	18/02/2023	151.43 X 151.74 X 150.67	22979	8.502	516.3	22.5	
3	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	18/02/2023	149.25 X 151.58 X 151.38	22623	8.172	542.5	24.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2023-02-21-09 **Date: 28/01/2023**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	23-01-23
Customer ID	:	Drain Side Wall - Sri Renuka Nilaya House
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	28/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	28/01/2023	150.02 X 151.40 X 149.56	22714	8.219	431.4	19.0	18.5
2	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	28/01/2023	151.67 X 151.81 X 151.34	23025	8.965	421.1	18.3	
3	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	28/01/2023	150.12 X 150.59 X 150.56	22606	8.480	415.1	18.4	

* The results obtained are satisfactory as per standard requirements.

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Asst. Executive Engineer
Project Division
Yelahanka Zone
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****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2023-02-21-09 **Date: 18/02/2023**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	23-01-23
Customer ID	:	Drain Side Wall - Sri Renuka Nilaya House
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	18/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	18/02/2023	151.81 X 151.68 X 150.61	23026	8.914	534.0	23.2	23.0
2	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	18/02/2023	151.09 X 150.99 X 149.64	22813	8.856	515.8	22.6	
3	Drain Side Wall - Sri Renuka Nilaya House	M20	21/01/2023	18/02/2023	149.29 X 151.64 X 151.20	22638	8.719	523.5	23.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 28/01/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	23-01-23
Customer ID	:	Drain Side Wall - Netaji Layout 3rd Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	28/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	28/01/2023	150.48 X 150.92 X 149.45	22709	8.891	420.0	18.5	18.4
2	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	28/01/2023	150.19 X 151.86 X 149.71	22807	8.877	419.3	18.4	
3	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	28/01/2023	151.27 X 151.75 X 149.26	22956	9.046	423.2	18.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 18/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 23-01-23

Customer ID : Drain Side Wall - Netaji Layout 3rd Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm²)	(N/mm²)
1	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	18/02/2023	151.56 X 151.52 X 150.08	22965	8.912	535.5	23.3	23.0
2	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	18/02/2023	150.21 X 150.31 X 151.98	22579	8.300	503.2	22.3	
3	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	18/02/2023	150.96 X 149.09 X 151.74	22506	8.588	528.9	23.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 28/01/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 23-01-23

Customer ID : Drain Side Wall - Netaji Layout 3rd Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	28/01/2023	151.92 X 149.21 X 149.09	22667	8.953	419.9	18.5	18.7
2	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	28/01/2023	151.39 X 151.85 X 151.20	22988	8.393	426.1	18.5	
3	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	28/01/2023	151.60 X 150.25 X 149.37	22778	8.562	430.3	18.9	

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Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	23-01-23
Customer ID	:	Drain Side Wall - Netaji Layout 3rd Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	18/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm²)	(N/mm²)
1	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	18/02/2023	149.21 X 151.56 X 150.35	22615	8.388	527.0	23.3	23.2
2	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	18/02/2023	150.84 X 150.95 X 151.75	22769	9.090	511.8	22.5	
3	Drain Side Wall - Netaji Layout 3rd Main Road	M20	21/01/2023	18/02/2023	150.80 X 151.64 X 150.79	22867	8.871	544.2	23.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2023-02-21-09** **Date: 27/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 22-01-23

Customer ID : Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	27/01/2023	150.08 X 150.44 X 149.84	22578	8.406	411.7	18.2	18.4
2	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	27/01/2023	149.09 X 149.80 X 150.28	22333	8.799	403.4	18.1	
3	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	27/01/2023	149.82 X 151.87 X 150.72	22753	8.836	432.2	19.0	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	22-01-23
Customer ID	:	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	17/02/2023	149.07 X 151.03 X 149.70	22514	8.506	538.1	23.9	23.1
2	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	17/02/2023	151.96 X 151.97 X 150.67	23094	8.198	512.9	22.2	
3	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	17/02/2023	149.01 X 151.52 X 149.18	22577	8.680	522.5	23.1	

* The results obtained are satisfactory as per standard requirements.

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BBMP, Bangalore - 92

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Lab ID	:	CP-2023-02-21-09 — **Date: 27/01/2023**
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Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	22-01-23
Customer ID	:	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	27/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	27/01/2023	150.95 X 149.21 X 150.73	22523	8.798	417.2	18.5	18.6
2	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	27/01/2023	150.92 X 149.63 X 150.45	22582	8.428	421.6	18.7	
3	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	27/01/2023	151.11 X 150.13 X 149.80	22687	8.814	424.7	18.7	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	22-01-23
Customer ID	:	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	17/02/2023	150.23 X 151.56 X 150.91	22768	9.039	542.0	23.8	23.1
2	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	17/02/2023	149.17 X 150.05 X 149.47	22384	8.569	499.0	22.3	
3	Culvert Bottom Raft - Muneshwara layout 10th main 2nd Cross road	M20	20/01/2023	17/02/2023	151.77 X 151.64 X 149.74	23014	8.640	531.5	23.1	

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TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	CP-2023-02-21-09 Date: 19-01-23
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	17-01-23
Type of Mix	:	GSB (Granular Sub Base)
Type of Mix	:	GSB - Rainbow Layout 4th Cross Road
Date of Test	:	17-01-23
Oven Dry Weight	:	10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	325	325	3.25	96.75	100
53	1020	1345	13.45	86.55	80-100
26.5	2214	3559	35.59	64.41	55-90
9.5	1292	4851	48.51	51.49	35-65
4.75	1325	6176	61.76	38.24	25-50
2.36	1895	8071	80.71	19.29	10-20
0.85	1326	9397	93.97	6.03	2-10
0.425	456	9853	98.53	1.47	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table
1	Liquid Limit, %	22.33%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.
All information Furnished by Agency/ Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Asst. Executive Engineer, Project Division Yelahanka Zone BBMP, Bangalore - 92

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Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	CP-2023-02-21-09 Date: 19-01-23
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	17-01-23
Type of Mix	:	GSB (Granular Sub Base)
Type of Mix	:	GSB - Rainbow Layout 4th Cross Road
Date of Test	:	17-01-23
Oven Dry Weight	:	10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	325	325	3.25	96.75	100
53	1005	1330	13.30	86.70	80-100
26.5	2265	3595	35.95	64.05	55-90
9.5	1292	4887	48.87	51.13	35-65
4.75	1325	6212	62.12	37.88	25-50
2.36	1895	8107	81.07	18.93	10-20
0.85	1326	9433	94.33	5.67	2-10
0.425	454	9887	98.87	1.13	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table
1	Liquid Limit, %	22.83%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

Note:-

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Asst. Executive Engineer, Project, Yelahanka Zone, BBMP, Bangalore-92

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/01/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kacholhalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	26-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 1st Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	149.26 X 149.91 X 149.51	22376	8.795	562.9	25.2	25.5
2	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	149.42 X 149.99 X 149.49	22411	8.694	596.9	26.6	
3	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	150.47 X 150.74 X 150.27	22681	8.690	562.1	24.8	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
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BBMP, Bangalore - 92

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 21/02/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 1st Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	21/02/2023	151.75 X 149.22 X 149.46	22645	9.047	762.4	33.7	33.2
2	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	21/02/2023	151.84 X 149.71 X 149.83	22732	8.561	746.9	32.9	
3	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	21/02/2023	151.84 X 150.34 X 150.88	22829	8.947	756.4	33.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/01/2023

Lab ID	:	**CP-2023-02-21-09**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	26-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 1st Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	150.25 X 151.11 X 151.71	22705	8.827	575.0	25.3	
2	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	149.96 X 149.71 X 149.62	22451	9.013	585.8	26.1	25.4
3	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	149.03 X 149.38 X 150.14	22262	8.224	549.2	24.7	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 21/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 1st Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	21/02/2023	151.75 X 150.40 X 150.82	22823	8.947	762.7	33.4	33.1
2	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	21/02/2023	150.61 X 151.39 X 150.51	22800	9.014	739.6	32.4	
3	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	21/02/2023	151.18 X 151.36 X 151.69	22883	9.097	767.5	33.5	

* The results obtained are satisfactory as per standard requirements.

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/01/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 1st Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	149.27 X 151.76 X 149.58	22653	9.082	577.5	25.5	25.6
2	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	149.19 X 151.58 X 149.95	22615	8.539	597.0	26.4	
3	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	150.12 X 149.19 X 149.89	22397	8.859	555.7	24.8	

* The results obtained are satisfactory as per standard requirements.

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Asst. Executive Engineer
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 31/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 1st Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	149.27 X 151.76 X 149.58	22653	9.082	577.5	25.5	25.6
2	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	149.19 X 151.58 X 149.95	22615	8.539	597.0	26.4	
3	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	31/01/2023	150.12 X 149.19 X 149.89	22397	8.859	555.7	24.8	

* The results obtained are satisfactory as per standard requirements.

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BBMP, Bangalore - 92

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 21/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 1st Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	21/02/2023	149.15 X 150.14 X 149.64	22393	8.899	756.9	33.8	33.0
2	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	21/02/2023	151.67 X 151.49 X 150.83	22976	8.316	740.8	32.2	
3	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	24/01/2023	21/02/2023	151.82 X 149.40 X 149.22	22681	8.250	750.8	33.1	

* The results obtained are satisfactory as per standard requirements.

AE Asst. Executive Engineer
Project Division
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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 21/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Netaji Layout 3rd Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm²)	(N/mm²)
1	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	21/02/2023	149.32 X 151.82 X 150.18	22671	8.494	769.1	33.9	33.4
2	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	21/02/2023	150.33 X 149.72 X 150.30	22507	8.584	741.1	32.9	
3	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	21/02/2023	150.60 X 149.08 X 149.48	22450	8.448	750.2	33.4	

* The results obtained are satisfactory as per standard requirements.

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/01/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Rainbow Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	31/01/2023	149.95 X 150.90 X 151.52	22628	8.187	581.2	25.7	25.7
2	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	31/01/2023	150.73 X 151.72 X 150.73	22869	8.606	608.2	26.6	
3	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	31/01/2023	150.97 X 150.53 X 150.78	22725	8.877	566.3	24.9	

* The results obtained are satisfactory as per standard requirements.

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Date..........

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 21/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Rainbow Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	21/02/2023	149.05 X 150.16 X 150.56	22382	8.151	746.0	33.3	33.1
2	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	21/02/2023	150.48 X 150.87 X 150.13	22703	8.948	740.4	32.6	
3	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	21/02/2023	149.37 X 151.40 X 150.06	22615	8.800	754.2	33.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/01/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kacholialli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Rainbow Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	31/01/2023	150.50 X 149.87 X 150.66	22556	8.323	574.0	25.4	25.6
2	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	31/01/2023	150.36 X 150.68 X 151.61	22656	8.989	604.3	26.7	
3	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	31/01/2023	149.33 X 150.13 X 149.89	22420	8.865	551.3	24.6	

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Date: 21/02/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Rainbow Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm²)	(N/mm²)
1	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	21/02/2023	151.44 X 149.22 X 150.24	22597	8.585	748.8	33.1	33.1
2	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	21/02/2023	151.79 X 150.83 X 151.15	22894	8.298	747.6	32.7	
3	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	21/02/2023	149.77 X 151.49 X 149.49	22689	8.697	759.2	33.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/01/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	26-01-23
Customer ID	:	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	31/01/2023	151.39 X 150.49 X 150.60	22783	8.396	574.2	25.2	25.4
2	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	31/01/2023	149.31 X 151.13 X 149.37	22565	8.772	589.7	26.1	
3	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	31/01/2023	151.38 X 150.91 X 149.07	22844	8.561	568.7	24.9	

* The results obtained are satisfactory as per standard requirements.

AE

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Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Lab ID : CP-2023-02-21-09 **Date: 21/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

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Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Rainbow Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	21/02/2023	151.32 X 151.81 X 150.13	22972	8.799	770.8	33.6	33.3
2	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	21/02/2023	149.16 X 149.98 X 150.30	22371	8.675	735.2	32.9	
3	Cement Concrete Pavement - Rainbow Layout 2nd Cross Road	M30	24/01/2023	21/02/2023	150.73 X 151.58 X 151.29	22847	8.634	762.7	33.4	

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Yelahanka Zone
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Page 1/1
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2023-02-21-09** **Date: 31/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Sri Renuka Nilaya House

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	31/01/2023	149.76 X 151.22 X 149.69	22646	8.392	585.1	25.8	25.7
2	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	31/01/2023	149.51 X 150.43 X 151.92	22492	8.215	607.0	27.0	
3	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	31/01/2023	151.73 X 151.11 X 151.16	22928	8.590	560.0	24.4	

* The results obtained are satisfactory as per standard requirements.

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BBMP, Bangalore - 92

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2023-02-21-09 — Date: 21/02/2023
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	26-01-23
Customer ID	:	Cement Concrete Pavement - Sri Renuka Nilaya House
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	21/02/2023	149.58 X 151.16 X 150.29	22611	9.084	750.1	33.2	32.8
2	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	21/02/2023	149.57 X 149.72 X 151.79	22393	8.612	717.6	32.0	
3	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	21/02/2023	151.30 X 151.15 X 151.80	22869	8.367	755.6	33.0	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kacholialli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

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Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Sri Renuka Nilaya House

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	31/01/2023	150.59 X 150.20 X 151.18	22619	9.048	587.8	26.0	25.7
2	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	31/01/2023	150.59 X 149.08 X 149.20	22451	8.575	592.4	26.4	
3	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	31/01/2023	150.09 X 150.49 X 151.75	22587	8.448	557.3	24.7	

* The results obtained are satisfactory as per standard requirements.

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Project Division
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BBMP, Bangalore - 92

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Date of Receipt	:	26-01-23
Customer ID	:	Cement Concrete Pavement - Sri Renuka Nilaya House
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	21/02/2023	151.67 X 150.78 X 149.27	22869	8.798	767.7	33.6	33.4
2	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	21/02/2023	150.88 X 150.93 X 151.89	22771	8.630	748.2	32.9	
3	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	21/02/2023	151.51 X 149.13 X 151.55	22595	8.563	763.7	33.8	

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Asst. Executive Engineer
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Yelahanka Zone
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Date: 31/01/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	26-01-23
Customer ID	:	Cement Concrete Pavement - Sri Renuka Nilaya House
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	31/01/2023	151.19 X 150.53 X 151.20	22759	8.628	579.7	25.5	25.7
2	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	31/01/2023	149.80 X 151.64 X 150.46	22716	8.641	611.9	26.9	
3	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	31/01/2023	149.46 X 149.80 X 149.82	22388	8.229	553.1	24.7	

* The results obtained are satisfactory as per standard requirements.

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Asst. Executive Engineer
Project Division
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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 21/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	26-01-23
Customer ID	:	Cement Concrete Pavement - Sri Renuka Nilaya House
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	21/02/2023	149.36 X 150.23 X 149.17	22439	9.002	745.7	33.2	32.9
2	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	21/02/2023	151.11 X 150.66 X 149.77	22765	9.089	729.2	32.0	
3	Cement Concrete Pavement - Sri Renuka Nilaya House	M30	24/01/2023	21/02/2023	149.44 X 151.37 X 151.38	22622	8.420	754.9	33.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 31/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Netaji Layout 3rd Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	31/01/2023	151.15 X 151.33 X 150.58	22873	8.456	585.3	25.6	25.7
2	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	31/01/2023	149.76 X 150.67 X 149.82	22565	8.908	600.0	26.6	
3	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	31/01/2023	150.95 X 150.33 X 150.14	22692	8.999	562.4	24.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 Date: 21/02/2023

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Netaji Layout 3rd Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	21/02/2023	150.02 X 150.16 X 149.47	22527	8.174	765.7	34.0	33.5
2	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	21/02/2023	151.00 X 150.68 X 149.20	22752	8.358	741.6	32.6	
3	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	21/02/2023	149.64 X 150.71 X 149.06	22551	8.585	765.4	33.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 31/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Netaji Layout 3rd Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	31/01/2023	149.23 X 150.73 X 151.40	22494	8.653	570.5	25.4	25.4
2	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	31/01/2023	151.29 X 151.76 X 151.95	22959	8.155	610.1	26.6	
3	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	31/01/2023	150.87 X 151.20 X 151.86	22812	8.769	556.9	24.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 21/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	26-01-23
Customer ID	:	Cement Concrete Pavement - Netaji Layout 3rd Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	21/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	21/02/2023	150.14 X 151.78 X 149.48	22788	8.962	755.9	33.2	33.0
2	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	21/02/2023	151.88 X 149.74 X 151.52	22744	8.314	745.0	32.8	
3	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	21/02/2023	149.21 X 150.13 X 150.49	22401	8.614	741.8	33.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2023-02-21-09** **Date: 31/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-01-23

Customer ID : Cement Concrete Pavement - Netaji Layout 3rd Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	31/01/2023	150.52 X 150.27 X 149.50	22618	8.506	567.6	25.1	25.4
2	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	31/01/2023	150.86 X 150.40 X 151.27	22688	8.958	592.9	26.1	
3	Cement Concrete Pavement - Netaji Layout 3rd Main Road	M30	24/01/2023	31/01/2023	150.90 X 150.03 X 151.97	22640	9.079	565.3	25.0	

* The results obtained are satisfactory as per standard requirements.

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Asst. Executive Engineer
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 01/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	27-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	01/02/2023	151.37 X 150.00 X 149.08	22705	8.626	578.7	25.5	25.7
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	01/02/2023	151.04 X 150.39 X 149.69	22715	8.432	612.4	27.0	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	01/02/2023	150.83 X 150.50 X 150.01	22700	8.589	559.3	24.6	

* The results obtained are satisfactory as per standard requirements.

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BBMP, Bangalore - 92

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 22/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm²)	(N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	22/02/2023	151.95 X 149.04 X 149.71	22647	8.750	754.7	33.3	33.0
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	22/02/2023	150.69 X 149.38 X 149.18	22509	8.791	727.1	32.3	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	22/02/2023	150.71 X 150.15 X 150.45	22629	9.057	755.4	33.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 01/02/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	01/02/2023	149.15 X 149.32 X 151.52	22272	8.568	569.2	25.6	25.5
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	01/02/2023	150.26 X 149.78 X 150.83	22506	8.623	593.1	26.4	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	01/02/2023	150.49 X 151.89 X 150.87	22858	8.709	563.1	24.6	

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 22/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kacholialli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm²)	(N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	22/02/2023	150.40 X 149.86 X 151.50	22538	8.890	762.1	33.8	33.2
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	22/02/2023	151.21 X 150.09 X 149.47	22696	9.037	740.4	32.6	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	22/02/2023	150.03 X 149.89 X 150.50	22487	8.851	746.6	33.2	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 01/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	01/02/2023	149.37 X 150.55 X 149.35	22488	8.619	575.3	25.6	25.5
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	01/02/2023	149.18 X 149.30 X 149.63	22273	8.820	594.5	26.7	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	01/02/2023	149.49 X 151.65 X 151.33	22670	8.344	546.1	24.1	

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AE

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Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	22/02/2023	150.78 X 150.75 X 151.74	22729	8.289	772.3	34.0	33.3
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	22/02/2023	150.51 X 150.09 X 150.11	22591	8.190	724.9	32.1	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	25/01/2023	22/02/2023	150.37 X 150.30 X 149.28	22599	8.469	767.7	34.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 01/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	01/02/2023	151.79 X 149.16 X 151.01	22641	8.217	577.5	25.5	25.8
2	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	01/02/2023	150.32 X 151.96 X 149.55	22843	8.162	615.6	26.9	
3	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	01/02/2023	151.87 X 149.27 X 151.64	22669	8.345	565.4	24.9	

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Lab ID : CP-2023-02-21-09 Date: 22/02/2023

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

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Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	151.04 X 149.96 X 150.89	22649	8.627	757.1	33.4	33.1
2	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	150.96 X 150.76 X 149.77	22759	8.283	736.8	32.4	
3	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	150.79 X 150.23 X 150.16	22654	8.833	758.9	33.5	

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Certificate No.: TC-5548

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 01/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	27-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	01/02/2023	151.89 X 150.04 X 150.06	22789	8.971	582.8	25.6	25.5
2	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	01/02/2023	150.43 X 151.81 X 150.45	22836	8.350	598.2	26.2	
3	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	01/02/2023	151.32 X 149.07 X 151.35	22558	8.935	555.6	24.6	

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Lab ID	:	CP-2023-02-21-09 **Date: 22/02/2023**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kacholialli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
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Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	27-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	150.52 X 151.59 X 151.09	22816	8.787	771.2	33.8	33.3
2	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	151.70 X 151.38 X 151.47	22965	8.525	745.8	32.5	
3	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	150.97 X 151.07 X 149.23	22807	8.131	768.9	33.7	

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BBMP, Bangalore - 92

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Lab ID : CP-2023-02-21-09 Date: 22/02/2023

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/02/2023

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	150.52 X 151.59 X 151.09	22816	8.787	771.2	33.8	33.3
2	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	151.70 X 151.38 X 151.47	22965	8.525	745.8	32.5	
3	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	150.97 X 151.07 X 149.23	22807	8.131	768.9	33.7	

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Date: 01/02/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

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Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	01/02/2023	151.90 X 151.46 X 150.43	23007	8.182	580.8	25.2	25.5
2	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	01/02/2023	149.39 X 150.68 X 150.15	22510	9.058	594.4	26.4	
3	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	01/02/2023	151.04 X 151.86 X 150.15	22937	8.797	570.2	24.9	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 22/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	27-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	150.59 X 149.02 X 150.80	22441	8.354	754.9	33.6	33.3
2	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	152.00 X 149.57 X 151.19	22735	8.855	738.6	32.5	
3	Cement Concrete Pavement - Seven hills County Layout 3rd Cross Road	M30	25/01/2023	22/02/2023	151.23 X 151.83 X 151.42	22962	8.563	776.5	33.8	

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BANGALORE

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R KARTHIK RECHAN
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****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 01/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	27-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	01/02/2023	150.80 X 151.41 X 149.30	22833	8.709	589.4	25.8	25.5
2	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	01/02/2023	149.16 X 151.68 X 150.02	22623	9.022	592.5	26.2	
3	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	01/02/2023	149.70 X 151.16 X 150.67	22630	9.064	557.6	24.6	

* The results obtained are satisfactory as per standard requirements.

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Certificate No.: TC-5548

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 22/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 4th Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	22/02/2023	151.73 X 150.77 X 149.81	22877	9.005	765.4	33.5	33.2
2	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	22/02/2023	150.94 X 150.62 X 151.16	22735	8.908	749.4	33.0	
3	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	22/02/2023	149.10 X 151.36 X 150.09	22568	8.294	745.5	33.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 01/02/2023

Lab ID	:	CP-2023-02-21-09
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Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	27-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	01/02/2023	151.96 X 150.63 X 150.94	22890	8.154	583.9	25.5	25.4
2	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	01/02/2023	150.44 X 151.93 X 149.22	22856	8.762	603.9	26.4	
3	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	01/02/2023	149.08 X 149.34 X 150.25	22263	8.760	538.7	24.2	

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Lab ID	:	CP-2023-02-21-09 **Date: 22/02/2023**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
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Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	27-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	22/02/2023	151.52 X 151.66 X 150.34	22979	8.377	764.7	33.3	33.2
2	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	22/02/2023	151.52 X 149.51 X 150.18	22653	8.567	738.7	32.6	
3	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	22/02/2023	149.51 X 149.42 X 149.10	22339	8.166	750.3	33.6	

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Lab ID : **CP-2023-02-21-09** **Date: 01/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 4th Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm²)	(N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	01/02/2023	150.26 X 149.34 X 149.22	22440	8.630	580.7	25.9	25.4
2	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	01/02/2023	151.33 X 150.04 X 151.88	22706	8.231	595.3	26.2	
3	Cement Concrete Pavement - Seven hills County Layout 4th Cross Road	M30	25/01/2023	01/02/2023	149.95 X 149.45 X 151.74	22410	8.867	538.5	24.0	

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Lab ID : CP-2023-02-21-09 **Date: 01/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Muneshwara layout 9th Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	01/02/2023	151.86 X 150.35 X 150.24	22832	8.512	588.9	25.8	25.4
2	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	01/02/2023	151.60 X 149.61 X 149.79	22682	8.810	600.7	26.5	
3	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	01/02/2023	151.11 X 150.22 X 150.30	22700	8.675	546.3	24.1	

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Lab ID	:	CP-2023-02-21-09 — Date: 22/02/2023
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kacholialli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	27-01-23
Customer ID	:	Cement Concrete Pavement - Muneshwara layout 9th Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/02/2023

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	22/02/2023	149.13 X 149.82 X 149.70	22343	8.505	743.5	33.3	33.0
2	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	22/02/2023	151.33 X 150.35 X 150.76	22752	8.176	734.6	32.3	
3	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	22/02/2023	151.83 X 150.18 X 149.59	22801	8.360	761.4	33.4	

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Asst. Executive Engineer
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BBMP, Bangalore - 92

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Lab ID : CP-2023-02-21-09 **Date: 01/02/2023**

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Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 27-01-23

Customer ID : Cement Concrete Pavement - Muneshwara layout 9th Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	01/02/2023	151.46 X 151.86 X 151.78	23000	8.870	590.0	25.7	25.4
2	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	01/02/2023	151.18 X 151.79 X 150.35	22948	8.397	602.2	26.2	
3	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	01/02/2023	149.85 X 149.55 X 151.36	22410	8.843	542.9	24.2	

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Date: 22/02/2023

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Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	27-01-23
Customer ID	:	Cement Concrete Pavement - Muneshwara layout 9th Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	22/02/2023	149.86 X 149.04 X 149.80	22336	8.465	750.7	33.6	33.3
2	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	22/02/2023	149.36 X 150.59 X 151.44	22493	8.355	741.5	33.0	
3	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	22/02/2023	151.26 X 149.41 X 151.28	22600	8.486	754.3	33.4	

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Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	27-01-23
Customer ID	:	Cement Concrete Pavement - Muneshwara layout 9th Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	01/02/2023	150.19 X 151.58 X 151.10	22767	8.976	571.0	25.1	25.5
2	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	01/02/2023	150.63 X 149.45 X 150.47	22512	8.248	602.6	26.8	
3	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	01/02/2023	151.67 X 149.98 X 151.87	22748	8.280	563.3	24.8	

* The results obtained are satisfactory as per standard requirements.

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2023-02-21-09 **Date: 22/02/2023**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	27-01-23
Customer ID	:	Cement Concrete Pavement - Muneshwara layout 9th Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	22/02/2023	149.16 X 151.55 X 151.44	22606	8.221	767.0	33.9	33.1
2	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	22/02/2023	151.79 X 149.23 X 151.85	22652	8.211	726.7	32.1	
3	Cement Concrete Pavement - Muneshwara layout 9th Main Road	M30	25/01/2023	22/02/2023	150.48 X 150.03 X 150.77	22576	8.909	749.1	33.2	

* The results obtained are satisfactory as per standard requirements.

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Certificate No.: TC-5548

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-02-21-09** **Date: 02/02/2023**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Padma krishna House #02 Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Padma krishna House #02 Road	M30	26/01/2023	02/02/2023	149.35 X 149.93 X 151.76	22393	9.041	578.6	25.8	25.5
2	Cement Concrete Pavement - Padma krishna House #02 Road	M30	26/01/2023	02/02/2023	149.13 X 150.71 X 150.18	22476	8.938	585.3	26.0	
3	Cement Concrete Pavement - Padma krishna House #02 Road	M30	26/01/2023	02/02/2023	151.64 X 151.78 X 150.13	23017	8.823	567.8	24.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.30 X 149.12 X 150.24	22562	8.570	751.8	33.3	33.0
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	150.88 X 149.12 X 150.69	22499	8.492	725.9	32.3	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.83 X 150.82 X 149.95	22598	8.630	754.0	33.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/02/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 28-01-23

Customer ID : Cement Concrete Pavement - Padma krishna House #02 Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Padma krishna House #02 Road	M30	26/01/2023	02/02/2023	149.04 X 151.27 X 150.61	22545	8.378	578.9	25.7	25.6
2	Cement Concrete Pavement - Padma krishna House #02 Road	M30	26/01/2023	02/02/2023	149.88 X 150.37 X 149.73	22539	8.964	599.6	26.6	
3	Cement Concrete Pavement - Padma krishna House #02 Road	M30	26/01/2023	02/02/2023	150.84 X 151.69 X 151.33	22882	8.255	563.8	24.6	

* The results obtained are satisfactory as per standard requirements.

AE

Assistant Executive Engineer
Project Division
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 23/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 28-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.03 X 151.08 X 149.02	22818	8.576	774.8	34.0	33.2
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.52 X 149.19 X 151.95	22605	8.467	731.9	32.4	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.66 X 151.86 X 150.31	22728	9.064	753.2	33.1	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Padma krishna House #02 Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Padma krishna House #02 Road	M30	26/01/2023	02/02/2023	150.87 X 150.28 X 150.26	22674	8.225	577.9	25.5	25.6
2	Cement Concrete Pavement - Padma krishna House #02 Road	M30	26/01/2023	02/02/2023	149.66 X 150.98 X 151.60	22595	8.921	597.3	26.4	
3	Cement Concrete Pavement - Padma krishna House #02 Road	M30	26/01/2023	02/02/2023	151.12 X 150.92 X 149.06	22807	8.822	566.1	24.8	

* The results obtained are satisfactory as per standard requirements.

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Asst. Executive Engineer
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TEST REPORT OF CEMENT CONCRETE CUBES

ab ID : CP-2023-02-21-09 Date: 23/02/2023

roject Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

gency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

ustomer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

ate of Receipt : 28-01-23

ustomer ID : Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road

ample Type /Size : 150X150X150 mm

ample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.09 X 150.56 X 151.76	22748	8.462	766.2	33.7	33.1
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.48 X 151.95 X 151.24	23018	8.950	744.9	32.4	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.58 X 150.05 X 149.73	22444	8.259	748.5	33.3	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2023-02-21-09 **Date: 02/02/2023**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Elegant Nest Layout Anjinamma House Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Elegant Nest Layout Anjinamma House	M30	26/01/2023	02/02/2023	151.08 X 150.27 X 150.16	22703	8.377	584.2	25.7	25.5
2	Cement Concrete Pavement - Elegant Nest Layout Anjinamma House	M30	26/01/2023	02/02/2023	150.06 X 150.94 X 150.94	22650	8.274	601.2	26.5	
3	Cement Concrete Pavement - Elegant Nest Layout Anjinamma House	M30	26/01/2023	02/02/2023	150.90 X 150.93 X 151.87	22775	8.388	554.1	24.3	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.00 X 150.97 X 150.57	22495	8.466	758.5	33.7	33.1
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.93 X 151.76 X 151.64	23058	8.539	752.6	32.6	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.95 X 151.43 X 151.60	22707	8.912	750.9	33.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Elegant Nest Layout Anjinamma House Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Elegant Nest Layout Anjinamma House	M30	26/01/2023	02/02/2023	151.51 X 150.67 X 149.09	22829	9.036	586.0	25.7	25.4
2	Cement Concrete Pavement - Elegant Nest Layout Anjinamma House	M30	26/01/2023	02/02/2023	150.19 X 151.78 X 151.76	22796	8.546	602.5	26.4	
3	Cement Concrete Pavement - Elegant Nest Layout Anjinamma House	M30	26/01/2023	02/02/2023	151.05 X 150.85 X 151.16	22785	8.623	547.3	24.0	

* The results obtained are satisfactory as per standard requirements.

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Project Division
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm²)	(N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	150.12 X 149.28 X 150.85	22410	8.244	756.5	33.8	33.4
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	150.10 X 149.55 X 151.08	22448	8.347	733.8	32.7	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.63 X 150.82 X 150.68	22567	8.659	759.1	33.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 Date: 23/02/2023

p : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 28-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.49 X 150.60 X 150.12	22513	8.191	761.0	33.8	33.3
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	150.50 X 150.85 X 151.64	22703	9.001	748.3	33.0	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.85 X 149.32 X 151.17	22674	8.473	749.1	33.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-09 **Date: 02/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 28-01-23

Customer ID : Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	150.80 X 150.92 X 149.02	22758	8.432	575.8	25.3	25.4
2	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	150.39 X 151.63 X 149.02	22803	8.365	608.4	26.7	
3	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	150.17 X 150.12 X 151.54	22544	8.690	545.0	24.2	

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Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 28-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.73 X 150.99 X 151.13	22910	8.367	764.8	33.4	33.2
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	150.99 X 150.68 X 149.42	22752	8.440	745.9	32.8	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	150.67 X 149.90 X 150.25	22585	8.575	757.4	33.5	

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Lab ID : **CP-2023-02-21-09** **Date: 02/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 28-01-23

Customer ID : Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm²)	(N/mm²)
1	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	150.74 X 149.77 X 149.47	22577	8.855	581.3	25.7	25.5
2	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	150.08 X 150.85 X 149.88	22639	8.795	599.8	26.5	
3	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	151.34 X 151.34 X 150.54	22904	8.379	555.4	24.2	

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Lab ID : CP-2023-02-21-09 **Date: 23/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 28-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.78 X 149.17 X 151.40	22341	8.617	742.4	33.2	33.3
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.62 X 149.76 X 150.04	22706	8.257	743.5	32.7	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	150.76 X 150.21 X 150.10	22645	8.684	769.2	34.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	149.03 X 151.80 X 150.65	22623	8.568	568.5	25.1	25.2
2	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	150.23 X 149.97 X 150.97	22530	8.200	593.2	26.3	
3	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	151.38 X 150.81 X 150.77	22830	8.578	553.7	24.3	

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Lab ID : CP-2023-02-21-09 **Date: 23/02/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

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Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 28-01-23

Customer ID : Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.40 X 149.44 X 149.32	22325	8.430	742.5	33.3	33.2
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.36 X 150.13 X 151.48	22724	8.869	749.2	33.0	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.79 X 150.13 X 149.49	22788	8.743	761.0	33.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/02/2023

Lab ID : CP-2023-02-21-09

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 28-01-23

Customer ID : Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	149.08 X 151.36 X 151.26	22564	8.375	577.6	25.6	25.4
2	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	149.98 X 151.04 X 149.38	22654	8.306	596.1	26.3	
3	Cement Concrete Pavement - Shivakote Byreshwara Nilaya House Road	M30	26/01/2023	02/02/2023	149.71 X 151.98 X 149.35	22752	9.025	550.5	24.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2023-02-21-09 Date: 23/02/2023
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.54 X 149.66 X 151.66	22380	8.200	760.7	34.0	33.5
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.74 X 149.19 X 151.06	22340	8.399	730.4	32.7	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.78 X 151.80 X 151.39	23041	9.051	778.1	33.8	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

CIVIL Pro BANGALORE Sig............ Date..........

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R KARTHIK RECHAN
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2023-02-21-09 **Date: 02/02/2023**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
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Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 1st Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	26/01/2023	02/02/2023	151.39 X 149.90 X 150.64	22692	8.629	583.0	25.7	25.4
2	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	26/01/2023	02/02/2023	151.94 X 150.65 X 150.10	22891	8.497	599.6	26.2	
3	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	26/01/2023	02/02/2023	149.76 X 151.21 X 149.34	22645	8.184	551.7	24.4	

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Certificate No.: TC-5543

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.06 X 150.10 X 151.22	22674	8.908	764.4	33.7	33.0
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.63 X 149.14 X 151.10	22615	8.245	724.8	32.1	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.88 X 149.56 X 149.77	22416	8.569	748.1	33.4	

* The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/02/2023

Lab ID	:	CP-2023-02-21-09
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 1st Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	26/01/2023	02/02/2023	151.80 X 150.02 X 150.40	22774	8.823	579.1	25.4	25.7
2	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	26/01/2023	02/02/2023	150.10 X 151.29 X 151.41	22708	8.863	611.6	26.9	
3	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	26/01/2023	02/02/2023	151.39 X 150.75 X 150.75	22823	9.065	561.5	24.6	

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Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm²)	(N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.88 X 151.76 X 149.31	23049	8.172	783.1	34.0	33.1
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	150.25 X 150.92 X 149.69	22674	8.374	728.5	32.1	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	150.53 X 151.68 X 149.79	22832	8.273	760.5	33.3	

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Date of Receipt	:	28-01-23
Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 1st Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	26/01/2023	02/02/2023	149.27 X 151.53 X 150.57	22619	8.253	576.2	25.5	25.6
2	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	26/01/2023	02/02/2023	149.26 X 151.47 X 149.11	22608	8.359	606.2	26.8	
3	Cement Concrete Pavement - Seven hills County Layout 1st Main Road	M30	26/01/2023	02/02/2023	151.16 X 149.81 X 151.07	22645	8.217	554.4	24.5	

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Asst. Executive Engineer,
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Customer ID	:	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	151.81 X 151.41 X 149.32	22986	8.343	777.1	33.8	33.2
2	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	150.78 X 149.10 X 149.17	22481	8.189	734.3	32.7	
3	Cement Concrete Pavement - Seven hills County Layout 2nd Cross Road	M30	26/01/2023	23/02/2023	149.06 X 149.42 X 149.80	22273	9.062	737.6	33.1	

* The results obtained are satisfactory as per standard requirements.

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